Electronic Pa	tent App	lication Fee	Transm	ittal			
Application Number:	100	10618227					
Filing Date:	11-	11-Jul-2003					
Title of Invention:		CHANNEL ESTIMATION METHOD AND APPARATUS USING FAST FOURIER TRANSFORMS					
First Named Inventor/Applicant Name:	Jur	Jung-Lin Pan					
Filer:	Ste	Steven J. Gelman/Dawn Larsen					
Attorney Docket Number:	I-2-	I-2-0456.1US					
Filed as Large Entity							
Utility under 35 USC 111(a) Filing Fees	;						
Description		Fee Code	Quantity	Amount	Sub-Total ir USD(\$)		
Basic Filing:					I		
Pages:							
Claims:							
Miscellaneous-Filing:							
Petition:							
Patent-Appeals-and-Interference:							
Post-Allowance-and-Post-Issuance:							
Utility Appl issue fee		1501	1	1510	1510		

Publ. Fee- early, voluntary, or normal

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
	Total in USD (\$)			1810